PTO/SB/08A(04-07)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Complete if Known	
	Application Number	10/589,216
	Filing Date	January 15, 2008
	First Named Inventor	Lloyd S. Gray et al.
(Use as many sheets as necessary)	Group Art Unit	1642
	Examiner Name	Yan Xiao
Sheet 1 of 2	Attorney Docket No: 1036.115US1	

	US PATENT DOCUMENTS			
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS				
Examiner Initial *	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T 1
	AU-2005211764	11/3/2011	MacDonald, Timothy L, et al.	
	CA-2312195	6/10/1999	Washburn, Mark S, et al.	
	CA-2340586	3/23/2000	Ming, Li	
	CA-2369588	10/12/2000	Heady, T. N, et al.	
	CA-2454643	2/20/2003	Kerb, R., et al.	
	CA-2486622	12/4/2003	Waldrep, C. J, et al.	

	OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS	
Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 1
	"Application Serial No. 10/589,216 , Response filed 09-21-11 to Final Office Action mailed 07-27-11", 11 pgs	
	"Australia Application Serial No. 2005211764, Response filed 06-15-11 to Examiner Report mailed 10-09-09", 7 pgs.	
	"Australia Application Serial No. 2005211764, Response filed 07-04-11 to Examiner Report mailed 06-21-11", 4 pgs.	
	"Australian Application Serial No. 2011203315, Office Action mailed 10-06-11", 4 pgs	
	"Australian Application Serial No. 2011203315, Office Action Response filed 12-06-11", 6 pgs	
	"Australian Application Serial No.2005211764, Subsequent Examiner Report mailed 06-21-11", 2 pgs.	
	"Canadian Application Serial No. 2,555,319, Office Action mailed 11-29-11", 5 pgs	
	"European Application Serial No. 05713305.0, Summons to Attend Oral Proceedings mailed 10-13-10", 3 pgs	
	"European Application Serial No. 11153818.7, Extended European Search Report mailed 04-11-11", 10 Pgs	
	"European Application Serial No. 11153818.7, Office Action mailed 12-23-11", 5 pgs	
	"European Application Serial No. 11153818.7, Response filed 11-11-11 to Extended Search Report mailed 04-11-11", 7 pgs	

EXAMINER DATE CONSIDERED

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant is to place a check mark here if English language Translation is attached

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Cultable to for form 44404/DTO	Complete if Known	
Substitute for form 1449A/PTO	Application Number	10/589,216
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	January 15, 2008
	First Named Inventor	Lloyd S. Gray et al.
(Use as many sheets as necessary)	Group Art Unit	1642
	Examiner Name	Yan Xiao
Sheet 2 of 2	Attorney Docket No: 1036.115US1	

	OTHER DOCUMENTS – NON PATENT LITERATURE DOCUMENTS	
Examiner Initial *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т1
	"International Application Serial No. PCT/US2005/004281, International Preliminary Report on Patentability mailed 01-09-07", 4 pgs	
	"Japanese Application Serial No. 2006-553243, Final Office Action mailed 11-24-10", 2 pgs	
	"Japanese Application Serial No. 2006-553243, Office Action Response Filed 10-26-10", 10 pgs	
	"Japanese Application Serial No. 2006-553243, Response filed 03-24-11 to Final Office Action mailed 11-24-10", 10 pgs	
	GACKIERE, FLORIAN, et al., "A role for voltage gated T-type calcium channels in mediating "capacitative" calcium entry?", Cell Calcium, Vol. 39, No. 4, (4/1/06), 357-366	
	MITTMAN, S, et al., "Homo sapiens low-voltage-activated calcium channel alpha 13.2 subunit delta25B splice variant (CACNA1H) gene, exons 11 through 36, and partial cds; and tryptase gamma 1 (TPSG1) gene, exon 6 and partial cds.", Genbank, 8 pgs	
	NIWA, NORIKO, et al., "Immunoblotting of T-type Ca2+ Channel Protein in Mouse Brain and Embryonic Heart by Using Two Antibodies against CAv3.1 Channels", Environmental Medicine, 47, (2003), 42-44	
	SHIN, JUNG-BUM, "Identification of genes involved in sensory neuron mechanotransduction", Dissertation zur Erlangung des Akademischen Grades Doktorum Rerum Naturalis, (Feb. 28, 2003), 1-109	
	SONG, K S, et al., "Expression of caveolin-3 in skeletal, cardiac, and smooth muscle cells", J Biol Chem. 271(25), (Jun. 21, 1996), 15160-5	
	YUNKER, A. M., et al., "Immunological Characterization of T-Type Voltage-Dependent Calcium Channel CAv3.1 (ALPHA1G) and CAv3.3 (ALPHA1) Isoforms Reveal Differences in their Localization, Expression, and Neural Development", Neuroscience, 117, (2003), 321-335	

EXAMINER DATE CONSIDERED